

Tachyon Computational Machine

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Tachyons were first predicted by [Gerald Feinberg](#). The fourth state of matter, the Bose-Einstein condensate shows that the speed of light is not constant. Experiments using lasers and extremely low temperatures have shown that in the condensate light slows down to walking pace, this implies a bosonic-fermionic interaction of some form. An abelian field interaction. This can only take place at the level of the unifold. Transcending the apparent constancy of the speed of light is possible, as is modifying the speed of light, albeit at great cost in terms of instrumentation.

The origin for the conception of the tachyon computational machine lies with the process of *The Artisan's Measure* a simple design process shown to be by a neighbour some ten or more years ago. The conception also incorporates elements from the poem originally entitled Οὐλῆσαις Διτρεῖς 's Τίρ Δλιννε, which I have recently renamed to Σίθερίοτ Σίαρραί and made some minor modifications to. This poem forms part of my first collection of poetry Ραιτέαο να Σαβλάν - Folding the Branches.

My conclusions to consideration of *The Artisans Measure*, caused me to question the nature of Pi, the ratio of the linear measure of the diameter of a circle, and the circumlinear measure of the circumference of a circle. The essential point comes from dimensional analysis in Physics, according to which, if we form a ratio of two different measures, if we form a ratio of incommensurate measures, the resultant must comprise a new physical component, force, particle, or whatever. Since Pi is the ratio of the linear measure of the diameter a 1-space curve and the circumlinear measure of the circumference a 2-space curve, the measures are incommensurate, hence Pi is not simply a transcendental number, it has some aspect of physicality. Exactly what this physicality is is unclear at present but I suggest that it relates to a dimensional shift, or a dimensional carry. It carries the perception of the observer from a lower dimension 1-space to a higher dimension 2-space, it transcends the current dimension. Is there a corresponding force or particle? Is it possible to measure it?

The second source for the tachyon computational machine is inspired by the following, poem or incantation,

Σίθερίοτ Σίαρραί
Ὀρούς ουρίοττα
Ἰάρ ρίειλλε
Δρο Ρί
Ceitre Rí Treoir
Ἡλοι Ρί Ὀσαιντ
Ὀαίεαο Ρί Σίθε
Ὀά Ὀέαο Ἰαοί
Ραιννε Ρεαδάλλ Ὀοάατα

More than ten years ago I used this poem as a means of project management, and a method to control the development of ACORN, Asynchronous Computational Objects Relational Network, which was used to develop mathematical gadgets for animating basic computational processes. It has its origins at the very beginning of $\Delta\eta\ \tau\acute{o}\rho\iota\sigma\tau\acute{o}\varsigma$, when I believe the Fianna were practising $\mathcal{F}\acute{\iota}\mathcal{c}\acute{e}\iota\mathcal{U}\mathcal{L}\mathcal{L}\mathcal{e}$. The interpretation of $\mathcal{F}\acute{\iota}\mathcal{c}\acute{e}\iota\mathcal{U}\mathcal{L}\mathcal{L}\mathcal{e}$ as Gaelic chess is incomplete, as I believe that $\mathcal{F}\acute{\iota}\mathcal{c}\acute{e}\iota\mathcal{U}\mathcal{L}\mathcal{L}\mathcal{e}$ is a technique used by the Hereditary Warriors of Knowledge of Ireland to create order out of chaos. Thus it may be used as a structuring influence in any movement, as I have used it.

The first indication of a way towards a tachyon computational machine came around 2006, when the LHC, Large Hadron Collider, was much in the news. At that time I initiated a project to redevelop geometry based on the vedic perceptions published by Sant [ref]. We had interacted on the internet, some for or five years previously, in respect of my questioning the exact nature of Pi. I had followed his work since then in the numerous books he had published. I did not always fully comprehend what he was talking about, but that didn't matter. The purpose of the project was to develop a consistent computational approach to evolving a four dimensional hypersphere in 4-space, where the dimensionality of the dimension is 2-space. I realised that this would require some knowledge of differential geometry, or the geometry of manifolds, an area that I was not too familiar. I approached the then professor of mathematics in University College Cork, seeking a post graduate student to participate in the research, but unfortunately by approach was rejected. Anyway, and perhaps fortuitously, I began to realise that there were a few fundamental flaws in the LHC design. The first of these relates to the conception of the big bang, the origin of the material universe. My own opinion is that it is inconclusive as to whether or not the big bang actually occurred at all, some 15 billion years ago. Its appearance to have happened I believe is due to an incompleteness in the structure of geometry, and the way in which time is included with the three spatial dimensions, to form the space-time continuum, beloved of relativity theory. What is more likely is that the three spatial dimensions emerged from a fluctuation in a four dimensional continuum, a four dimensional continuum where each of the dimensions is two dimensional. At around this time I travelled to Galway to consult with Dr. Ray Ryan, with whom I had studied Lebesgue Measure Theory. I knew that the key to developing the hypersphere, and hence understanding the process of creation, lay in reformulating the concept of dimensionality. Some years previously I had written a piece entitled *The Axiom of Dimensionality*, which concluded that our description of dimensionality in terms of linear spaces was incomplete. Ray wasn't really able to help me at that time, but we did have a good chat. During our chat, I asked him why I couldn't get support for my work, and he suggested that it was because I did not have institutional support, quite an anomaly since it meant that I couldn't get support, because I couldn't get support. During that visit I also had the opportunity to have a chat with Dr. Micheal Conneely, who had given me a course in Quantum Mechanics, and from whom I had received an important word in relation to quantum foam, when I was developing $\mathcal{C}\mathcal{O}\mathcal{R}\ \mathcal{E}\mathcal{A}\mathcal{L}\mathcal{A}\mathcal{O}\mathcal{A}$. I also had the opportunity to have a chat with Professor Jim Flavin, with whom I had studied continuum mechanics and variational calculus. Before directing me to $\text{Iona}\tau\ \mathcal{L}\acute{E}\mathcal{A}\mathcal{N}\mathcal{N}\ \mathcal{E}\acute{\iota}\mathcal{R}\mathcal{E}\mathcal{A}\mathcal{N}\mathcal{N}\mathcal{A}\mathcal{C}$, he said something to me which I still find a little unusual. He said that I had a ferocious memory, I was not quick enough to respond that it can be voracious as well. The final person I spoke with was Louis De Paor, in respect of my work in changing the way in which Irish was used in science, thereby creating a new era for Irish, and in the process purifying the language of science. He suggested that I get a group together and pursue the research. I tried to do this, but my mind was distracted by personal family matters. Concluding, the development of the hypersphere still requires a bit of work, a seed of a start is provided in Annex 1. Please note that one diagram there is going to prove contravertial, but I can prove its validity.

By questioning the commonly held view I had to provide an resolution. Basically I was of the opinion that the mechanics of the big bang were incomplete and that the search for the Higgs boson would be inconclusive. Of course financial considerations intervene here, as the LHC has been built at an enormous cost, €12,000,000,000.00, and takes thousands of researchers to run. No one would listen to my analysis, as it would shake the foundations of not only physics, but mathematics as well.

The first indicator of a resolution was based on my conception of Pi. If there was a circumlinear flow of some form, and a linear flow of quantumly coupled particles, then where the particles interact there would be instantaneous communication through the unifold. I thought at the time that that may provide a way for measuring Pi, the properties of Pi. The current, more advanced design employs four coupled particles and when combined with the poem, suggests a dimensional carry into a higher space reality. I believe that this will give rise to machine computation faster than the speed of light, hence instantaneous from the 3-space perspective.

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Annex 1. Diagrammatic Introduction

The initial designs are contained in the attached zip file, taisceadh.zip. These are very valuable and publication must be restricted.

Annex 2. Names and Titles of Brian G. Mc Enery

ḐRÍAN S'OIIRRISE MÁIRTÍN ΔONZAOS ΠIOPAOILEASA CÚ RÍ ΛAOCLÚZ MOZ ROČ RÁMΔC

ḐRÍAN MΔC ÁON INNÉIRZČE

ḐRÍAN MΔC INNÉIRZČE

Brian G. Mc Enery

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OLLAM EΔAΔOΔ OÚČZAOS

OLLAM EΔAΔOΔ ΠICÉILLE

OLLAM EΔAΔOΔ OÚČAIREAMΔIOČT

OLLAM EΔAΔOΔ NEAMΔČAIS

OLLAM EΔAΔOΔ EΔLLΔC

CEANNASAOIDE OREAM NA nOÚČOILREAČTA

CEANNAIRE ΛOČRA OÚCHΔIS EOΔΔIS ne hERENO

ΔPOCTURČOIR IONΔO ŠLÁINIÚ FORMOLA

RÍOE SUΔIO NA bբΔIO

OPOÍ Δn TΔONբΔIČ

RÍ NA hERENO